NOVEMBER/DECEMBER 2023

23UFBT14 — BASICS OF BIOTECHNOLOGY

Time : Three hours Maximum : 75 marks

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SECTION A — (10 × 2 = 20 marks)

Answer ALL questions

1. Define Biotechnology.
2. Explain any two applications of biotechnology.
3. What is the role of vector?
4. Explain the role of ligase.
5. What are the types of biotechnology?
6. Explain term the blue biotechnology?
7. Name few dairy products.
8. Summarize the types of Vaccines
9. What is transgenesis?
10. Explain about herbal biotechnology

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Organize Scopes of biotechnology.

Or

(b) Analyze the Advantages and disadvantages of biotechnology.

12. (a) Identify the role of endonuclease in DNA fragmentation.

Or

(b) Analyze the extraction for desired products in transfer.

13. (a) Organize the applications of Green biotechnology.

Or

(b) Analyze the salient features of black biotechnology.

14. (a) Identify the role of biotechnology in bakery products.

Or

(b) Examine about biofuels.

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15. (a) Organize the application of biotechnology in medical field.

Or

(b) Analyze about marine biotechnology

SECTION C — (3 × 10 = 30 marks)

Answer any THREE question.

16. Explain the history of biotechnology.

17. Appraise the methods for isolation of DNA from the donor.

18. Explain the areas of gold biotechnology.

19. Elaborate on genetically modified crops.

20. Discuss the applications of Animal biotechnology.

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